



DEFENSE LOGISTICS AGENCY
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IN REPLY
REFER TO

DSCC-VAT

1 July 2004

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of MIL-PRF-8805 /11J, /14F, /15G, /17G, /18G, /19F, /23G, /25F, /34E, /38G, /40H, /47G, /48H, /49H, /65D, /76H, /84E, /90F, /96E, /100F, /101K, /104C, /107C, /110D, and /114C.
Project numbers 5930-1838 through -1863.

The drafts of the above subject documents are being sent to you for review and comments. These drafts consist of the following changes:

Updating of referenced documents.
Incorporation of amendments.

If these documents are of interest to you, please provide your comments electronically. This can be in the form of a return e-mail, with or without an attached text file. A 45-day coordination cycle from the date of this letter has been allotted. Please provide your comments within that time period. If no comments are received in the allotted 45 day coordination cycle, concurrence is assumed and all comments received after will be held to the first amendment. If an electronic response is not possible we will still accept comments via letter, facsimile or phone call but only after you have contacted the project officer listed below. The draft documents can be found at the following DSCC-VA web page:

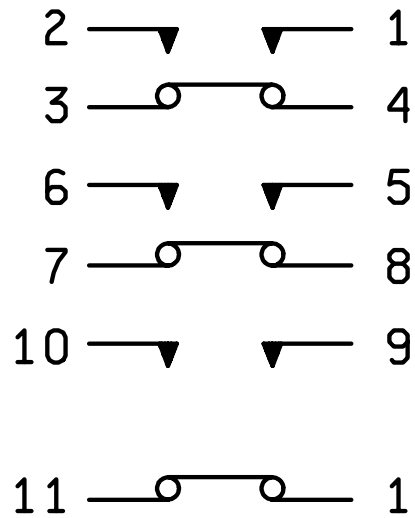
www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp

This process still requires military departments to identify their comments as "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians or this office, as applicable, in sufficient time to allow for consolidating the department reply.

If there are any questions, please contact Mark Rush by the preferred method of E-Mail at Mark.Rush@dlm.mil or by telephone at commercial 614-692-0550, DSN 850-0550; or by facsimile at 614-693-1644. Our mailing address as a last resort is Defense Supply Center, Columbus, DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000. If you have further questions or concerns you may contact me at Kendall.Cottongim@dlm.mil, by telephone at 614-692-0676 or by facsimile at 614-692-6939.

/ SIGNED /
KENDALL A. COTTONGIM
Chief
Electronics Components Team





CIRCUIT SCHEMATIC

| Inches | mm | Inches | mm | Inches | mm |
|--------|------|--------|-------|--------|-------|
| .002 | 0.05 | .125 | 3.18 | .500 | 12.70 |
| .003 | 0.08 | .187 | 4.75 | .505 | 12.83 |
| .005 | 0.13 | .218 | 5.54 | .562 | 14.27 |
| .010 | 0.25 | .250 | 6.35 | .708 | 17.98 |
| .031 | 0.79 | .296 | 7.52 | .850 | 21.59 |
| .070 | 1.78 | .375 | 9.53 | 1.250 | 31.75 |
| .114 | 2.90 | .437 | 11.10 | 1.327 | 33.71 |
| .120 | 3.05 | .491 | 12.47 | | |

NOTES:

1. Dimensions are in inches.
2. Unless otherwise stated, tolerance is ± 0.015 (0.38 mm).
3. Exact shape of switch optional provided dimensions specified are not exceeded.
4. Metric equivalents are given for general information only.
5. Dimensions shown are case mounting holes. Cover mounting holes may exceed these dimensions.

FIGURE 1. Dimensions and configurations (continued)

MIL-PRF-8805/17G

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Enclosure design: 1 (unsealed).

Temperature characteristic: 1 (-55°C to +85°C).

Shock type: Method 213, test condition A, MIL-STD-202 (50 g).

Vibration grade: 1 (10 to 500 Hz)

Weight: .05 pound maximum.

Operating characteristics:

Actuating force 1.75 pounds maximum

Movement differential036 inch maximum.

Pretravel075 inch maximum.

Overtravel015 inch minimum.

Reset button:

Pretravel075 inch maximum.

Overtravel005 inch minimum.

Strength of actuating means: 25 pounds.

Terminal strength: 5 pounds.

Mechanical endurance: 100,000 cycles. At 0.015 +.001, -.000 inch overtravel.

Electrical endurance: 50,000 cycles.

Electrical ratings: See table I.

Dielectric withstanding voltage: 1,000 V rms.

Part number: MS25353 was superseded by MIL-PRF-8805/17; the MS25353 Part Number (PIN) was retained.

TABLE I. Electrical ratings.

| Load | Sea level | |
|-----------|-----------|------------------|
| | 28 V dc | 115 V ac, 400 Hz |
| | amperes | amperes |
| Resistive | 15 | 15 |
| Inductive | 10 | 15 |
| Lamp | 10 | 6 |

MIL-PRF-8805/17G

Referenced Documents:

MIL-PRF-8805
MIL-STD-202

Custodians:

Air Force - 11
Army - CR
DLA - CC
Navy - EC

Preparing activity:
DLA - CC

(Project 5930-1841)

Review activities:

Air Force - 19, 99
Army - AR, MI
Navy - AS, OS, MC, SH

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at www.dodssp.daps.mil.